

Amendments to the Specification:

Please amend the paragraph beginning on page 4, at line 25 as shown below:

The engine system 10 also includes an exhaust gas recirculation (EGR) system 20. The EGR system 20 dilutes the fuel charge entering the engine and lowers combustion temperatures to reduce the levels of oxides of nitrogen. The EGR system 20 is also adapted to recirculate exhaust gas from the exhaust manifold 16 to the intake manifold 14. Specifically, the EGR system 20 includes an EGR valve 22 that redirects all, some, or none of the exhaust gas from the exhaust manifold 16 to the intake manifold 14 via conduit 24 as will be discussed in more detail below. Optionally, the EGR system 20 may include an EGR cooler ~~26~~ 28 disposed in conduit 24.

Please amend the paragraph beginning on page 5, at line 26 as shown below:

The engine system 10 also includes a control module 50. The control module 50 is used to monitor and control various aspects of the engine system 10. For example, the control module 50 is connected to the engine 12 to monitor and control its operation and performance. The control module 50 also processes inputs from various components. These components may include ~~an intake manifold~~ a pressure sensor 52 and ~~an intake manifold~~ a temperature sensor 54. Sensors 52 and 54 may be disposed in any suitable location, such as at or near the intake manifold 14.